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SANDIA/LOS ALAMOS EPW PROGRAM

HISTORICAL PERSPECTIVE OF ACCOMPLISHMENTS



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SANDIA/LOS ALAMOS EPW PROGRAM

HISTORICAL PERSPECTIVE OF ACCOMPLISHMENTS

W86 TACTICAL EPW FOR PERSHING II

- PHASE 3 START
- PHASE 3 CANCELLED

W86 PHASE DOWN PROGRAM & TECHNOLOGY

- W86 DEMONSTRATION COMPLETED
DESIGN ON THE SHELF

RV COMPATIBLE EPW DESIGN DEVELOPMENT

- LOW L/D DESIGN TESTED
- LOW L/D DESIGNS SUBMITTED
- LOW L/D HARD ROCK DESIGN TESTED
- LOW L/D DESIGN TESTED IN

APRIL, 1979
SEPT., 1980

JAN., 1982

SEPT., 1982
SEPT., 1983

APRIL, 1985
JAN., 1986

DOE
FOI

DOE
FOI



Sandia National Laboratories

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DELIVERY SYSTEM CONSIDERATIONS

- SMALL ANGLE OF ATTACK
- CONTROL ANGLE OF OBLIQUITY; ESPECIALLY FOR CONCRETE/ROCK TARGETS
- IMPACT VELOCITY MUST BE TAILORED FOR SURVIVABILITY; DEPENDENT ON TARGET
- FOR CONCRETE/ROCK TARGETS THE ISSUE IS SURVIVABILITY

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- ACCURACY MAY BE VERY IMPORTANT**
- TO UTILIZE MULTIPLE, SIMULTANEOUS EPW BURSTS TO DRIVE PLANE^AR-LIKE SHOCKS DEEP INTO THE GROUND
 - TO ALLOW PLACEMENT OF EPW'S INTO URBAN TARGETS

KDN 2/87
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